Title (en)

SURGICAL DEVICE USING WATER JET AND METHOD FOR OPERATING SAID DEVICE

Title (de)

WASSERSTRAHLCHIRURGIEGERÄT UND VERFAHREN ZUM BETRIEB EINES SOLCHEN

Title (fr)

APPAREIL CHIRURGICAL À JET D'EAU ET PROCÉDÉ POUR SON UTILISATION

Publication

EP 2207490 A1 20100721 (DE)

Application

EP 08848108 A 20081104

Priority

- EP 2008009290 W 20081104
- DE 102007052805 A 20071106

Abstract (en)

[origin: WO2009059742A1] Surgical devices using water jets are known, comprising delivery means for liquids that can be actuated by actuation signals from a control device for dispensing a liquid into a connecting line of a surgical instrument with an outlet nozzle. According to the invention, at least one measuring device is provided, which is designed such that, after connecting the surgical instrument to the delivery means for the liquid, the measurement device generates measurements signals for displaying an amount of the liquid dispensed on a display or registration device. This ensures improved monitoring of surgeries.

IPC 8 full level

A61B 17/3203 (2006.01)

CPC (source: EP US)

A61B 17/00234 (2013.01 - US); **A61B 17/3203** (2013.01 - EP US); **A61B 90/98** (2016.02 - EP US); A61B 2017/00199 (2013.01 - EP US); A61B 2090/063 (2016.02 - EP US); A61B 2090/064 (2016.02 - EP US); A61B 2090/065 (2016.02 - US); A61B 2090/0807 (2016.02 - EP US)

Citation (search report)

See references of WO 2009059742A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009059742 A1 20090514; CN 101848681 A 20100929; CN 101848681 B 20130605; DE 102007052805 A1 20090520; DE 102007052805 B4 20120906; EP 2207490 A1 20100721; EP 2207490 B1 20140312; EP 2633825 A1 20130904; EP 2633825 B1 20170614; EP 2710970 A1 20140326; EP 2710970 B1 20181017; JP 2011502563 A 20110127; JP 2014195672 A 20141016; JP 5567485 B2 20140806; PL 2207490 T3 20140829; PL 2633825 T3 20171130; PL 2710970 T3 20190329; US 2011004232 A1 20110106; US 2015230819 A1 20150820; US 9358032 B2 20160607; US 9504485 B2 20161129

DOCDB simple family (application)

EP 2008009290 W 20081104; CN 200880114879 A 20081104; DE 102007052805 A 20071106; EP 08848108 A 20081104; EP 13166590 A 20081104; EP 13192484 A 20081104; JP 2010531465 A 20081104; JP 2014059968 A 20140324; PL 08848108 T 20081104; PL 13166590 T 20081104; PL 13192484 T 20081104; US 201514702120 A 20150501; US 74151608 A 20081104